

Date: Sun, 12 Sep 93 01:01:14 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1082
To: Info-Hams

Info-Hams Digest Sun, 12 Sep 93 Volume 93 : Issue 1082

Today's Topics:

 alinco dj-580 repair
 ANS-254 BULLETINS
 Daily Solar Geophysical Data Broadcast for 11 September
Emergency: cellular vs ham (was Re: Yagi for Cellular Phone?)
 Ford Explorer Engine Computer and HF, UHF, VHF Transmit
 Fox Hunt, 18 SEP in Ann Arbor area
 Morse code is saving my college career
 Pre-1920 call--help
 There goes the rest of 20M
 VK2SG RTTY DX Notes, 10 September

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 10 Sep 1993 22:14:41 GMT
From: swrinde!elroy.jpl.nasa.gov!usc!yeshua.marcam.com!news.kei.com!ub!csn!
news.sinet.slb.com!news.San-Jose.ate.slb.com!jones@network.ucsd.edu
Subject: alinco dj-580 repair
To: info-hams@ucsd.edu

Greg Dolkas (greg@core.rose.hp.com) wrote:
[lots deleted...]

: As a final step, get some good epoxy and run a bead around the BNC connector
: to keep it from moving in the future. Come to think of it, you might want to
: put some on the inside while the radio's open, but I put it on the outside.
: Seemed safer.

I'd be rather disinclined to epoxy the connector in. The one on my DJ-F1T is nearing the end of it's useful life, as the "ears" that interlock with the plug to hold the latter on are about 2/3 worn off from changing antenna connections 4 to 10 times a day for two years...

73,
Clark

--

Disclaimer: The opinions expressed above are mine and not those of Schlumberger because they are NOT covered by the patent agreement!

Phone: (602) 345-3638 Internet: jones@sj.ate.slb.com
Packet: N7RPQ@K7BUC.AZ.USA.NA RF: N7RPQ
Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe,
 AZ 85284-1825

Date: 12 Sep 93 03:46:09 GMT
From: news-mail-gateway@ucsd.edu
Subject: ANS-254 BULLETINS
To: info-hams@ucsd.edu

SB SAT @ AMSAT \$ANS-254.01
SPACE SYMPOSIUM AGENDA

HR AMSAT NEWS SERVICE BULLETIN 254.01 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 11, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-254.01

W5IU Provides Agenda For AMSAT-NA Space Symposium 7-10 OCT

PRELIMINARY AGENDA
1993 AMSAT-NA ANNUAL MEETING
AND SPACE SYMPOSIUM

October 7, 8, 9, & 10, 1993
La Quinta Inn - Arlington, Texas

Thursday, October 7th

All Day - Leave La Quinta Inn at 09:00
Electronic Surplus Tour of the Fort Worth/Dallas Metroplex
- Transportation & Tour Guide Provided

Friday, October 8th, Morning -

Registration Opens -
Antenna Test Range Adjacent To Hotel - WA5VJB, Kent Britain

Friday, October 8th, Afternoon -

ARRL/AMSAT Educational Workshop - WA1ST0, Rosalie White
(Runs Concurrent with technical papers)

Technical Papers:

"Status of SEDSAT-1" - KD4ETA, Dennis Wingo
"UNAMSAT-1 Experimental Module - TSFR" - XE1TU, David Liberman
"IT-AMSAT-1 Status" - I2KBD, Alberto Zagni
"High-Resolution Weather Satellites" - N5ITU, Jeff Wallach
"Hubble Space Telescope Service Mission Preview" - N8FGV, Dan
Schultz

Friday, October 8th, Evening - on your own for dinner and entertainment.
Local assistance provided.

Saturday, October 9th, Morning -

"Welcome To The 1993 Space Symposium and AMSAT-NA Annual Meeting"
W3X0, Bill Tynan - AMSAT-NA President

"The AMSAT Phase 3D Spacecraft"
WD4FAB, Dick Jansson - AMSAT-NA VP of Engineering

"The AMSAT Phase 3D Electronics"
DB20S, Peter Guelzow - AMSAT-DL

"AMSAT Phase 3D Antenna Design Review" - WA4NFY, Stan Wood

"How GPS Receivers Work"
"AMSAT Phase 3D GPS and Master Oscillator Package"
W3IWI, Tom Clark - AMSAT-NA President Emeritus

"The Shuttle Amateur Radio Experiment - Current Status and Future Visions"
KA3HD0, Frank Bauer - AMSAT-NA VP, Manned Space
"SAREX Shuttle Mission Operations - From A Payload's Point Of View"
W5DID, Lou McFadin

Saturday, October 9th, Afternoon -

"Managing OSCAR-13"
G3RUH, James Miller

"Development Of A Portable Mode S Ground Station"
KA9LNV, Ed Krome

"DOVE Progress Report and Future Operation" - WD0E, Jim White

"Some 20-20 Hindsight: A Slightly Different View Of WEBERSAT"
KB7KCL, Bob Argyle

"DSP-93: The Joint DSP Program (TAPR/AMSAT)"
N5BRG, Bob Stricklin

"Digital Processing Of Weak Signals Buried In Noise"
AA7FV, Darrel Emerson

"AMSAT-NA Operations Report - 1993"
W5IU, Keith Pugh - AMSAT-NA VP of Operations

Meet Your AMSAT-NA Board of Directors

Saturday, October 9th, Evening -

Happy Hour

Dinner Banquet, Program, Recognition Awards and
Prize Drawings

Sunday, October 10th, Morning -

Field Operations Breakfast

AMSAT-NA Board of Directors Meeting
(Open Meeting, Run Concurrent with Technical Papers)

Technical Papers -

"VOXSAT - VOice eXperiment SATellite"
LW2DTZ, Gustavo Carpignano - AMSAT-LU VP

"Tools For The Digital Satellites - Part 1, The Downlink"
WA4SXM, Gould Smith

"Implementing The PACSAT Broadcast Protocol On
Terrestrial Networks" - WA0PTV, John Hansen

"Non-Messaging Uses Of The Store-and-Forward Satellites -
The Integrated Power Corporation Nusa Penida Project"
WD3Q, Eric Rosenberg

"S Band For The Beginner" - KA9LNV, Ed Krome

"Using Metal Booms To Support AMSAT Antennas"
WA5VJB, Kent Britain

"Microsat Ground Stations" - WB1HBU, Eric Cottrell

"Birth Of A Satellite Education Program In Sweden"
SM2UHI, Borje Rautio

"Experimental Determination Of Properties Of The
RS-10 Mode A Transponder" - KE3HP, Walter Daniel

Sunday, October 10th, Noon - End of Symposium - Board Meeting Continues

[The AMSAT News Service (ANS) would like to thank Keith Pugh (W5IU) for this bulletin item. There is still time to register for the AMSAT-NA Symposium. For more information about the Symposium, contact AMSAT-NA Headquarters at (301) 589-6062.]

/EX

SB SAT @ AMSAT \$ANS-254.02

AO-13 ZRO TESTS RETURN!

HR AMSAT NEWS SERVICE BULLETIN 254.02 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 11, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-254.02

ZRO Tests Return To AO-13

The ZRO Memorial Technical Achievement Award Program, or just "ZRO Test" has a new schedule for September and October '93 via AMSAT-OSCAR-13. This activity is a test of operating skill and equipment performance. Due to scheduling difficulties only three tests have been set up for this round so be sure to mark the test dates and times on your calendar.

During a typical ZRO run, a control station will send numeric code groups using CW at 10 words-per-minute. At the beginning of the run, uplink power from the control station is set to match the general beacon downlink strength. This is level "zero." The control operator will send and repeat a random five-digit number, then lower his uplink power by 3 dB (half power) and repeat the procedure with a new random number. This will continue to a level 30 dB below the beacon (level "A").

A participating listener monitors the downlink signals until he can no longer copy the numbers. Those who can hear the beacon will qualify for the basic award by copying the code group heard at level "zero". The challenge

is to improve home-station performance to a point where the lower-level downlink signals can be copied (levels 6 through 9).

The following schedule of Mode "B" tests were chosen for convenient operating times and favorable squint angles. The tests can be heard on 145.840 MHz. Andy (WA5ZIB) will conduct all the tests. Mode "JL" tests will no longer occur due to the failure of AO-13's 70-cm transmitter. Ed (N5EM) will be back next year after he completes station calibrations necessary to insure accurate Mode "B" activity. His "JL" tests were greatly appreciated.

Sunday Sep. 26, 1993 at 0545 UTC
Saturday Oct. 2, 1993 at 1335 UTC
Monday Oct. 18, 1993 at 0430 UTC

Note that the dates and days are shown in "UTC", thus the first and third tests shown occur in the late evening hours for those in North America. For example, the October 18th UTC test is at 11:30 PM CDT Sunday night (the 17th). Any changes will be announced as soon as possible via the AMSAT HF and AO-13 Operations Nets.

ZRO brochures are available from WA5ZIB, Andy MacAllister, AMSAT VP of User Operations, 14714 Knightsway Drive, Houston, TX 77083 for an S.A.S.E. with two units of postage. The brochure characterizes test procedures, means for obtaining certificates and gives some historical background about the program. New brochures were not made for the current round of tests, but this announcement and a graphical presentation of the satellite's view during the tests will be provided along with the March 1993 version of the brochure.

All listener reports with date of test and numbers copied should be sent to WA5ZIB at the address above. A report will be returned verifying the level of accurate reception.

/EX
SB SAT @ AMSAT \$ANS-254.03
AMSAT OPS NET SCHEDULE

HR AMSAT NEWS SERVICE BULLETIN 254.03 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 11, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-254.03

Current AMSAT Operations Net Schedule For AO-13

AMSAT Operations Nets are planned for the following times. Mode-B Nets are conducted on AO-13 on a downlink frequency of 145.950 MHz. If, at the

start of the OPS Net, the frequency of 145.950 MHz is being used for a QSO, OPS Net enthusiasts are asked to move to the alternate frequency of 145.955 MHz.

Date	UTC	Mode	Phs	NCS	Alt NCS
18-Sep-93	1515	B	96	N7NQM	W5IU
2-Oct-93	1400	B	160	WA5ZIB	WJ9F
9-Oct-93	1500	B	101	W9ODI	N7NQM

Any stations with information on current events would be most welcomed. Also, those interested in discussing technical issues or who have questions about any particular aspect of OSCAR statellite operations, are encouraged to join the OPS Nets. In the unlikely event that either the Net Control Station (NCS) or the alternate do not call on frequency, any participant is invited to act as the NCS.

Slow Scan Television on AO-13

SSTV sessions will be held on immediately after the OPS Nets a downlink on a Mode-B downlink frequency 145.960 MHz.

/EX

SB SAT @ AMSAT \$ANS-254.04
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 254.04 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 11, 1993
TO ALL RADIO AMATEURS BT
BID: \$ANS-254.04

Weekly OSCAR Status Reports: 11-SEP-93

AO-13: Current Transponder Operating Schedule:

L QST *** AO-13 TRANSPONDER SCHEDULE *** 1993 Aug 16-Oct 25

Mode-B : MA 0 to MA 60 !

Mode-BS : MA 60 to MA 120 !<- after Aug 30 (hopefully)

Mode-S : MA 120 to MA 145 !<- S transponder; B trsp. is OFF

Mode-S : MA 145 to MA 150 !<- S beacon only

Mode-BS : MA 150 to MA 180 ! Alon/Alat 180/0

Mode-B : MA 180 to MA 256 !

Omnis : MA 230 to MA 40 ! Move to attitude 210/0, 25-Oct-93

Continuous up-to-date information about AO-13 operations is always available on the

beacons at 145.812 MHz and 2400.646 MHz in CW, RTTY and 400 bps PSK. Also, these bulletins are also posted to INTERNET, ANS bulletins, Packet, PACSATs, etc., and

can also
be found in many international newsletters. [G3RUH/DB20S/VK5AGR]

A0-16: Operating normally. SATGATE operations have moved from L0-19 (LUSAT) to A0-16 (PACSAT). As KI6QE indicated when the move was made, the number of files involved is quite small, so it is still possible to keep track of everything on this satellite even with checking a few times a week. [WH6I]

U0-22: Operating normally. There were a few good images last week. [WH6I]

K0-23: Operating normally. [WH6I]

F0-20: NONBH reports that F0-20 continues to operate normally after last week's on-board computer resets. [NONBH]

UNAMSAT-1: The Mexican MICROSAT is scheduled for launch late this year on a refurbished Soviet ICBM designed to carry satellites. So far Program Manager XE1TU does not have all the final keplerian elements of the intended orbit. However, the known parameters are as follows:

Orbital Inclination = 73 degrees
Altitude = 730 KM
Orbital Eccentricity = 0.00000000

The satellite will separate from the rocket with no spin. All transmitters will be silent at separation and for a period of at least 1 hour. The VHF receive antenna and the two halves of the canted dipole for 40.997 MHz will be collapsed and then they will be deployed 3 minutes after separation. [XE1TU]

RS-10: HB9RHH is quite active on RS-10 and looks forward to contacts and schedules for those who would like to make a DX contact. [HB9RHH]

U0-11: Controllers at the UoSAT Control Centre at the University of Surrey are requesting the help of the amateur radio community around the world in collecting information and data from UOSAT-OSCAR-11. The Forth Diary Operating system aboard U0-11 has crashed within the past 24 hours. This has rendered the spacecraft in a non-nominal operating state. The collection of information and data related to the operational condition of the spacecraft over the next several days will be essential in helping the controllers to understand the spacecraft's current condition. Therefore the UoSAT command team is asking radio amateurs around the world to monitor the spacecraft and relay any reception reports and or telemetry data collected from the spacecraft to them via G0SYX @ U0-22, G0SYX @ K0-23 or via the INTERNET address: D.Loughmiller@ee.surrey.ac.uk UOSAT-OSCAR-11 operates on a 2M frequency of 145.825 MHz and on a 70 cm frequency of 435.027 Mhz. Controllers are most interested in which beacon is active at the time of any given observation and whether the signal contains data or not. Any telemetry data collected would be of particular interest to the controllers as well. Any observations provided by the amateur community will be most appreciated. UoSAT

controllers will issue subsequent bulletins about the status of the UoSAT-OSCAR-11 spacecraft as the situation develops. [K05I/G0SYX]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ W0LJF.#NECO.CO.USA.NOAM. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

/EX

Date: 12 Sep 93 02:56:05 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 11 September
To: info-hams@ucsd.edu

NOTE: Proton fluence values are unavailable for today.

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 254, 09/11/93
10.7 FLUX=078.8 90-AVG=096 SSN=000 BKI=2102 2221 BAI=005
BGND-XRAY=A2.3 FLU1=*.E*** FLU10=*.E*** PKI=2112 1112 PAI=005
BOU-DEV=000,009,004,010,011,016,010,008 DEV-AVG=008 NT SWF=00:000
XRAY-MAX= A4.8 @ 0749UT XRAY-MIN= A1.9 @ 0131UT XRAY-AVG= A2.9
NEUTN-MAX= +002% @ 2150UT NEUTN-MIN= -002% @ 1835UT NEUTN-AVG= +0.0%
PCA-MAX= +0.1DB @ 1630UT PCA-MIN= -0.2DB @ 2240UT PCA-AVG= -0.0DB
BOUTF-MAX=55364NT @ 1010UT BOUTF-MIN=55338NT @ 1728UT BOUTF-AVG=55356NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+079,+000,+000
GOES6-MAX=P:+125NT@ 1837UT GOES6-MIN=N:-057NT@ 1522UT G6-AVG=+094,-019,-038
FLUXFCST=STD:080,082,083;SESC:080,082,083 BAI/PAI-FCST=030,020,018/050,030,018
KFCST=5456 5555 4455 5333 27DAY-AP=011,066 27DAY-KP=1011 2335 5576 6455
WARNINGS=*GSTRM;*AURMIDWRN
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 10 SEP 93 is not available.
The Full Kp Indices for 10 SEP 93 are: 2- 2o 3- 2- 2- 2- 2-

Date: Fri, 10 Sep 1993 18:36:26 GMT
From: sdd.hp.com!col.hp.com!news.dtc.hp.com!srngenprp!alanb@network.ucsd.edu
Subject: Emergency: cellular vs ham (was Re: Yagi for Cellular Phone?)

To: info-hams@ucsd.edu

John De Armond (jgd@dixie.com) wrote:

: > In article <CCzo76.IFp@fc.hp.com> goris@fc.hp.com writes:

: >

: > Eh? Cellular? Emergency? What happened to Amateur radio? ...

: Well let's see. Consider this actual car wreck I witnessed
: a few years ago. One of the big ARES-types on our local repeater
: also witnessed it.

[Posting ridiculing Amateur Radio emergency communications deleted]

Good ol' John De Armond strikes again. I sometimes wonder if John actually believes any of the stuff he posts, or if he is just doing it to stir up a reaction.

In any case, I expect that a cellular phone would be the better solution for the run-of-the mill traffic emergency. It is full duplex for one thing, so you don't have the problem of "doubling" with the 911 operator. Also, the operator instantly understands you are calling from your car, which sometimes takes some explaining when using a ham autopatch. And, as John so tactfully points out, you don't usually have to wait for the frequency to clear with a cell phone.

In a major communications emergency, however, I think the ham frequencies would normally be a better bet. The cellular system, like the rest of the telephone system, will be jammed with calls. The 911 line will be overwhelmed. Once the ARES, RACES or other amateur emergency groups get going, the emergency nets will be connected with each of the area Emergency Operations Centers and Incident Command posts involved. Assuming the local emergency group has its act together, the nets will be well-staffed with trained operators who will know what to do and where to route emergency messages.

AL N1AL

Date: 10 Sep 93 15:02:52 EDT

From: psinntp!arrl.org@uunet.uu.net

Subject: Ford Explorer Engine Computer and HF, UHF, VHF Transmit

To: info-hams@ucsd.edu

In rec.radio.amateur.misc, john@anasazi.com (John R. Moore) writes:

>I recently bought a 93 Explorer and dearly love it. I have operated
>2 meter and 440 from it with no problems. I don't know about HF. I have

>determined that there is some gas pump noise which would generate significant
>interference on HF, and some time I'm gonna pull off the gas tank and put
>in filters. If anyone has tips on this, let me know!

The fuel-pump noise problem is a well-known Ford defect. I recently heard from one of our members who informs me that there is a complete Ford service bulletin # 93-15-6 detailing how the problem can be covered under warranty. Your dealer should be able to work from this document.

On the down side, the reports I have received indicate that the in-tank noise filter may not be real effective at eliminating the noise, at least for the lower part of the HF band. One fellow wants to try external ferrite inductors and capacitors. He said that if it works he will send it in for QST "Hints and Kinks." It will almost certainly be published.

73 from ARRL HQ, Ed

Ed Hare, KA1CV
American Radio Relay League
225 Main St.
Newington, CT 06111
(203) 666-1541 - voice
ARRL Laboratory Supervisor
RFI, xmtr and rcvr testing

ehare@arrl.org

"You will never put the puzzle together
if you keep putting all of the pieces
back in the box." Colleen

Date: 11 Sep 93 19:56:07 GMT
From: montego!not-for-mail@uunet.uu.net
Subject: Fox Hunt, 18 SEP in Ann Arbor area
To: info-hams@ucsd.edu

The Radio Active Communications Club of Southeastern Michigan (RACC) will be holding another one of our 'fox hunts' on Saturday, 18 September.

This will be a two-meter band fox hunt taking place in the Washtenaw County area. The starting time will be Noon, and the starting point is a small Washtenaw County park (it doesn't seem to have a name!) located on the SW corner of the intersection of Prospect and Cherry Hill Roads, in Superior Township. This park is approximately 5 miles NE of Prospect Road. Continue North on Prospect for about 4 miles, and the park will be on your left, right at Cherry Hill Road.

===== insert usual disclaimers here =====

Bob Wier, East Texas State U., Commerce, Texas
wier@merlin.etsu.edu (watch for address change)

Date: 10 Sep 93 19:45:49 GMT
From: fluke!intermec!curtm@beaver.cs.washington.edu
Subject: Pre-1920 call--help
To: info-hams@ucsd.edu

Can't help you directly with the 6BB call, but just for another data point:

The Washington State University Rho Epsilon Amateur Radio Fraternity
was started in 1911 (before the ARRL!), and had the initial call of 7UL.

It's current call is W7YH.

Certainly sounds like a similar call to your old one.

Curt Mills, WE7U,
Past President of Rho Epsilon ARF (1984-85).

--

Curt Mills, WE7U
curtm@intermec.com

Date: Fri, 10 Sep 93 13:47:10 GMT
From: netcomsv!bongo!skyld!jangus@decwrl.dec.com
Subject: There goes the rest of 20M
To: info-hams@ucsd.edu

In article <1993Sep9.230939.16337@cyphyn.UUCP> randy@cyphyn.UUCP writes:

> The real problem is, on TTY, one is oblivious to any one else on CW....
> they run right over you until you give up....you can't fight a machine.

Tell that to the moron that was sending random CW on 7.077 the other day
for about 2 hours.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"It is difficult to imagine our
Internet: jangus@skyld.tele.com	universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749	potent god. I see it more as a
Phone: 1 (310) 324-6080	badly run corporation."

Date: Fri, 10 Sep 93 10:51:59 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!cis.ohio-state.edu!mstar!n8emr!
bulletin@network.ucsd.edu
Subject: VK2SG RTTY DX Notes, 10 September
To: info-hams@ucsd.edu

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=====
|   Automatic relayed from packet radio via           |
|               N8EMR's Ham BBS, 614-895-2553         |
=====
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SB DX @ ALLBBS \$RTDX0910
VK2SG RTTY DX Notes, 10 September
VK2SG RTTY DX Notes for week ending 10 September 1993 (BID RTDX0910)

Our information this week came from 9X5LJ, CE3GDN, DJ3IW and the
Central Europe DX-Cluster Node DB0SPC, I5FLN, I5ICY, IK1HSR, KE6XJ,
W2JGR and the NJ0M node of the Twin-Cities DX Packet Cluster Network,
WA1MPB and ZS5S. Thank you all for your assistance.

Bandpass

Friday 3

0720-14083	7Z2AB	QSL AA0BC
1218-14087	Z32JA	
1503-14084	9N1HL	
1602-21085	V51GB	
1633-14083	5X1C	
1650-14083	Z32JA	
1725-14086	9N1HL	
1855-14085	LY2ZZ	
2100-14090	HK0DPA	
2116-14084	9G1XA	
2219-14087	TA5C	
2254-14081	C06RR	
2254-14087	VE8MN	
2257-14088	HR1FMH	
2301-14091	HK0DPA	

Saturday 4

0623-14084	UN7PEG	
0629-14083	9N1HL	
0634-14088	SV1BJV	
0722-14081	ET3YU	QSL Box 60349, Addis Abeba
0723-14085	XT2BW	
0830-14085	ZC4SC	QSL G4SGD

1204-14083 C06RR
1253-21082 ET3YU
1258-21082 7Q7LA
1325-14085 SV5BYR
1331-14084 OM3LA
1423-14083 9N1HL
1525-14085 9M2RS
1636-14086 Z32JA
1650-14084 YP7SY0 fer prefix QSL Y07CKQ
1817-21086 OM3CPS
1823-14082 YL2BD
1951-14083 C6ANX
2002-14089 OM3CPS
2030-14081 SV5TS
2035-14084 HG32FC fer prefix
2055-14085 S51GL
2139-21087 9Y4/N9FTC

Sunday 5

0714-14086 EA6VS
0719-14083 EA6MQ
1203-14087 OK1MP
1207-21088 UN5PR
1216-14084 C06RR
1429-14085 JT3SDX QSL JR0CGJ
1444-14083 BY1QH
1448-21085 7Q7ZZ QSL JA1UMN
1630-14085 5B4VX
1831-14084 7Z2AB
2022-14086 IS0HMB
2052-14088 NP2EG

Monday 6

0225-14086 C06RR
0227-14086 HI3AB
0345-14082 AH9B QSL OKDXA, Box 88, Wellston, OK 74881
0807-14081 OM3LU
0816-14084 OK1AGA
1308-21087 ET3YU
1138-21070 VQ9IO ARQ
1726-14088 5B4VX
1731-21085 9G1XA

Tuesday 7

1334-21086 ZC4EPI
1359-14087 EA6MR
1402-14085 OM3LA
1628-14090 9H1ET

1649-21086 ZC4ML
2336-14085 EA8EV
2340-14090 HK0DPA

Wednesday 8

0007-14084 OK1AJN
0010-14088 HK0DPA
0010-14088 FG5FI
0018-14083 C06RR
0023-14083 FM5GN
1409-14083 HL5AWS
1410-14087 ZC4EPI
1410-14087 ZC4ML
1630-14089 5B4VX
1643-14086 Z32JA

Thursday 9

1233-14085 VK6HD
1312-14083 BY1QH
1314-14083 HL9KU see note
1406-14090 GM0/WN1G
1513-14084 A45XC
1517-14084 HC7SK
1519-14089 C06RR
1522-14090 EA6VS
1602-14087 VU2RAK
1632-14083 FR5FR
1737-14088 5B4VX

Notes of Interest.

In last week's Notes the QSL route for HL9KU should have been via N7NMR, not N7NM.

Gibraltar, ZB2. ZB2/SM4DHF will be active 22-28 September and will be in the CQ World Wide RTTY Contest 25th and 26th. QSL via home call.

Mellish Reef, VK9M. With about only 9 days to go all is on schedule for this 19-28 Sept. operation. The group should arrive in Australia and depart no later than the 15th. RTTY is included. QSL via VK4CRR.

Eritrea. The DXAC voted 16 to 0 to reinstate Eritrea to the DXCC Countries List. The vote for starting dates were May 24, 1993, 9, May 24 1991, 6, and April 27, 1991, 1. The ballots have been forwarded to the ARRL Awards Committee for their action.

China, BT2000BJ. From Beijing they ask for your patience on the QSLs

because of heavy school schedule. Hope to have them all out by the end of September.

For next week's bulletin, please direct your Notes and Bandpass to Jules, W2JGR @ CE3GDN.#STGO.CHL.SA

Remember, DX don't sleep.

GL DE Bob, WB2CJL @ CE3GDN.#STGO.CHL.SA
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End of Info-Hams Digest V93 #1082
